

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071024\
 Data File : VX042261.D
 Acq On : 10 Jul 2024 12:49
 Operator : JC/MD
 Sample : PB161974ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

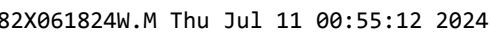
Quant Time: Jul 11 00:54:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

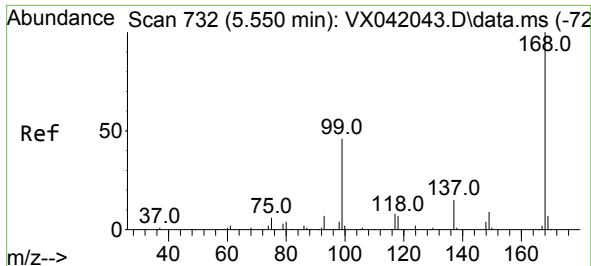
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	134697	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	223389	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	199540	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	88432	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	85408	54.987	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 109.980%	
35) Dibromofluoromethane	5.385	113	81650	51.512	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.020%	
50) Toluene-d8	8.647	98	239171	42.951	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 85.900%#	
62) 4-Bromofluorobenzene	11.079	95	85451	41.630	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 83.260%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	304	0.236	ug/l	# 43
5) Bromomethane	1.599	94	185	0.290	ug/l	98
6) Chloroethane	1.678	64	500	Below Cal	#	43
11) Tert butyl alcohol	2.989	59	455	1.544	ug/l	# 78
13) Acrolein	2.239	56	101	0.306	ug/l	92
16) Acetone	2.386	43	49128	72.033	ug/l	# 89
18) Methyl Acetate	2.709	43	2736	1.471	ug/l	94
20) Methylene Chloride	2.788	84	7962	5.331	ug/l	94
25) 2-Butanone	4.593	43	4452	4.196	ug/l	91
29) Tetrahydrofuran	5.080	42	194	0.283	ug/l	# 34
31) Cyclohexane	5.556	56	1929	1.062	ug/l	# 1
36) 1,1-Dichloropropene	5.544	75	7674	4.559	ug/l	# 50
37) Ethyl Acetate	4.745	43	2478	1.130	ug/l	# 81
38) Carbon Tetrachloride	5.544	117	11371	6.114	ug/l	# 15
43) Isopropyl Acetate	6.348	43	100528	29.870	ug/l	94
48) Methyl methacrylate	7.799	41	89093	55.469	ug/l	# 45
49) 1,4-Dioxane	7.793	88	201	24.567	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	75082	32.386	ug/l	# 48
53) t-1,3-Dichloropropene	8.952	75	778	1.288	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	38230	18.701	ug/l	# 52
57) 1,3-Dichloropropane	9.482	76	5263	2.163	ug/l	# 42
59) 2-Hexanone	9.482	43	64985	36.598	ug/l	# 56
74) N-amyl acetate	10.640	43	19945	8.351	ug/l	# 54
76) 1,2,3-Trichloropropane	11.079	75	39146	24.384	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	39146	69.248	ug/l	# 5
95) Naphthalene	13.786	128	613	0.843	ug/l	# 83

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Jul 11 00:54:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 21 23:51:58 2024
Response via : Initial Calibration

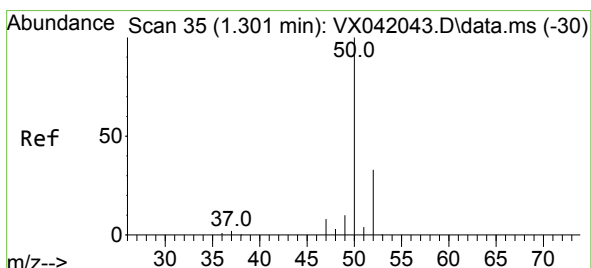
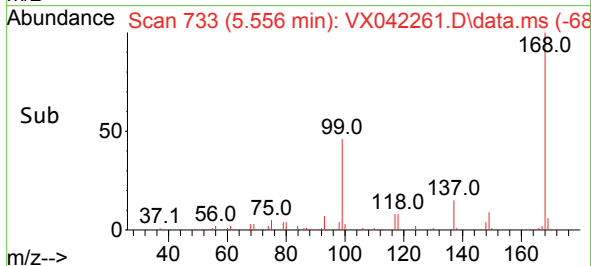
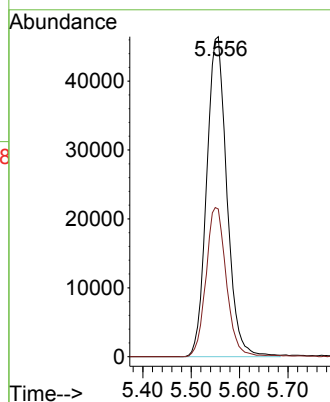
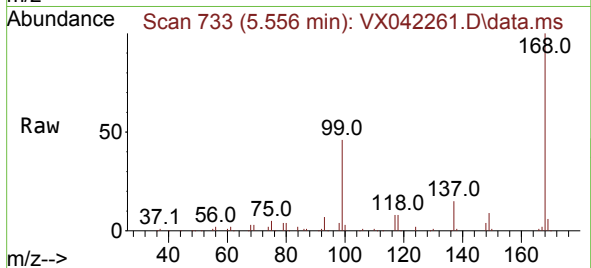




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX042261.D
Acq: 10 Jul 2024 12:49

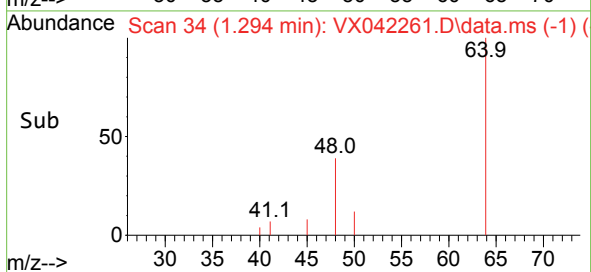
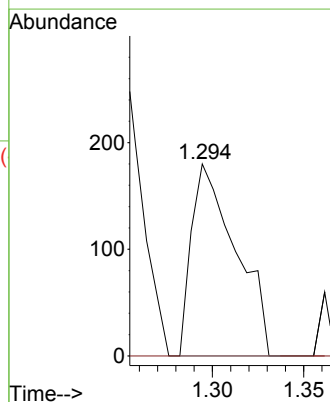
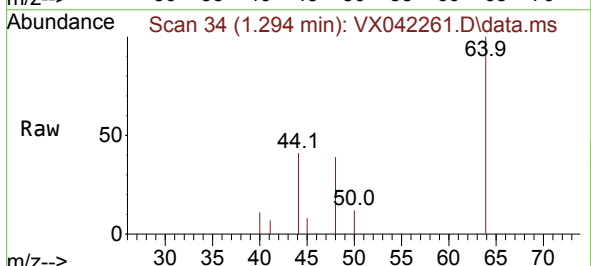
Instrument :
MSVOA_X
ClientSampleId :

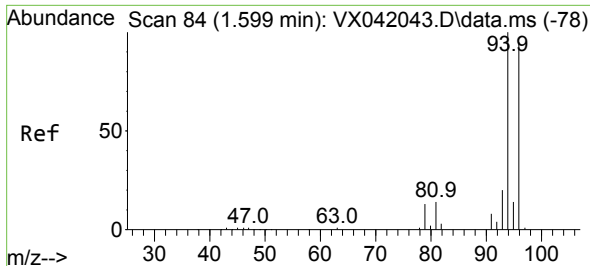
Tgt Ion:168 Resp: 134697
Ion Ratio Lower Upper
168 100
99 46.1 56.6 85.0#



#3
Chloromethane
Concen: 0.236 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.012 min
Lab File: VX042261.D
Acq: 10 Jul 2024 12:49

Tgt Ion: 50 Resp: 304
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

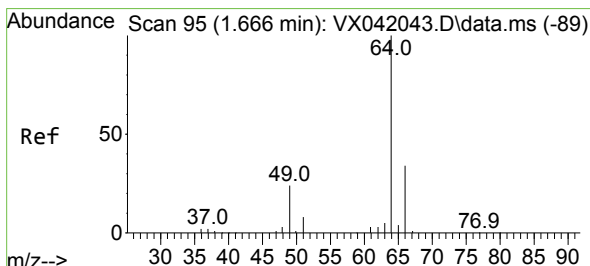
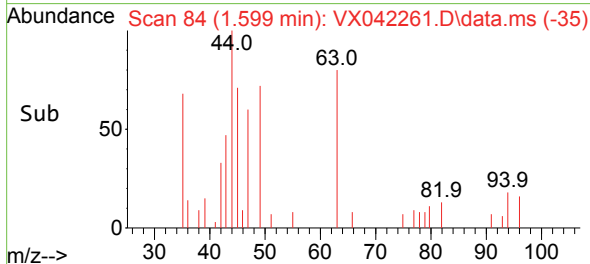
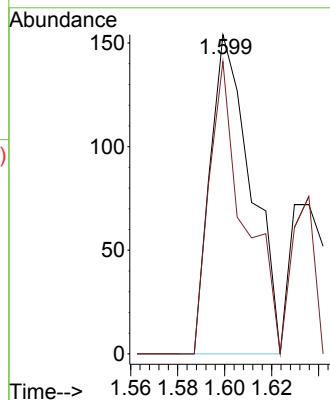
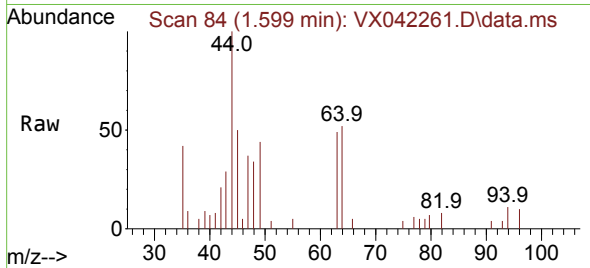




#5
Bromomethane
Concen: 0.290 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX042261.D
Acq: 10 Jul 2024 12:49

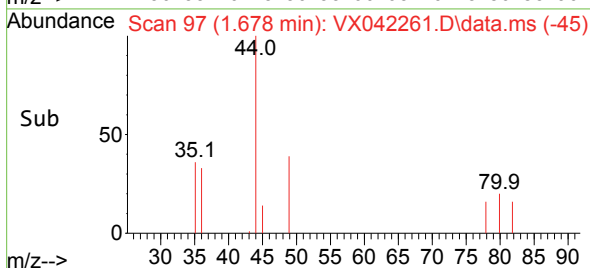
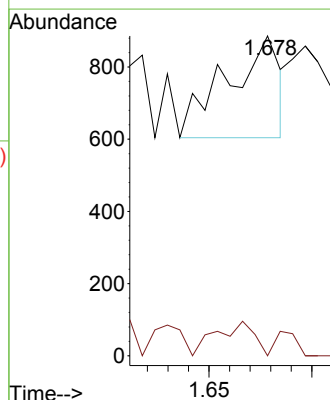
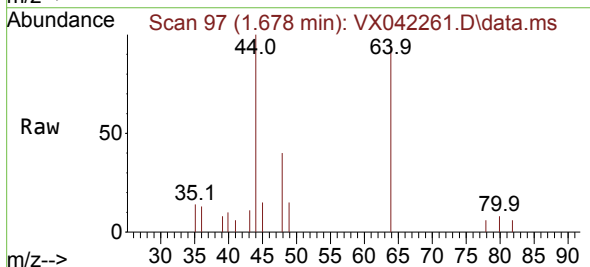
Instrument :
MSVOA_X
ClientSampleId :

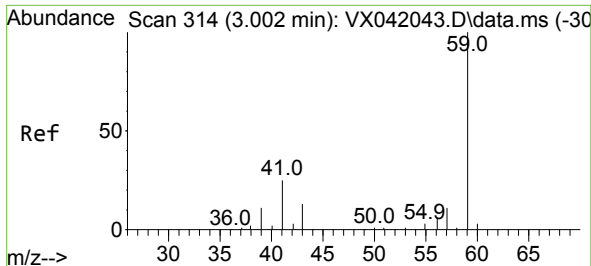
Tgt Ion: 94 Resp: 185
Ion Ratio Lower Upper
94 100
96 91.6 74.6 111.8



#6
Chloroethane
Concen: Below Cal
RT: 1.678 min Scan# 97
Delta R.T. 0.018 min
Lab File: VX042261.D
Acq: 10 Jul 2024 12:49

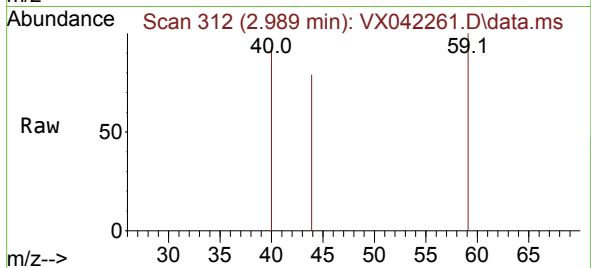
Tgt Ion: 64 Resp: 500
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



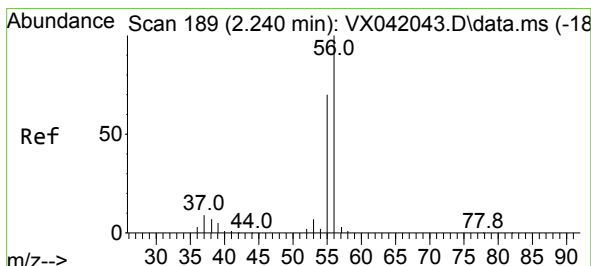
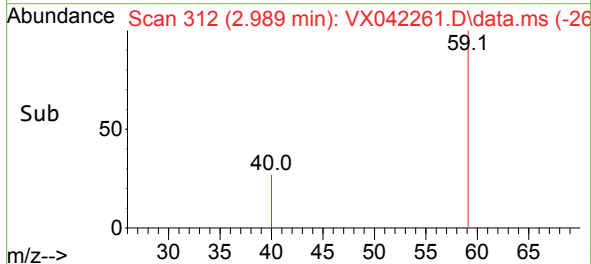
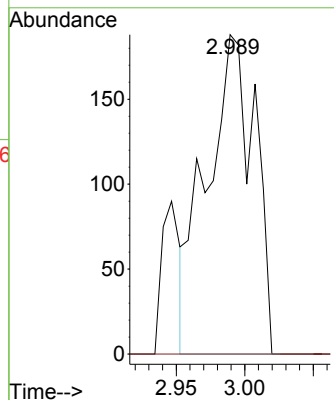


#11
Tert butyl alcohol
Concen: 1.544 ug/l
RT: 2.989 min Scan# 314
Delta R.T. -0.018 min
Lab File: VX042261.D
Acq: 10 Jul 2024 12:49

Instrument :
MSVOA_X
ClientSampleId :

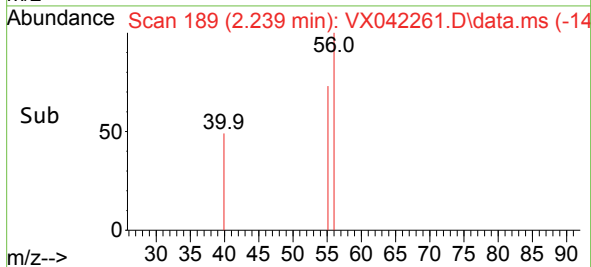
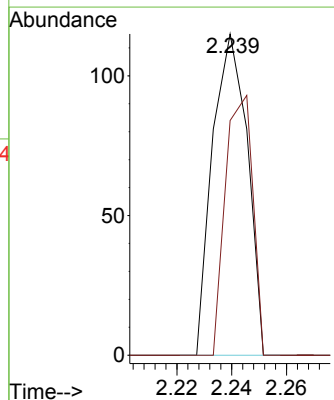
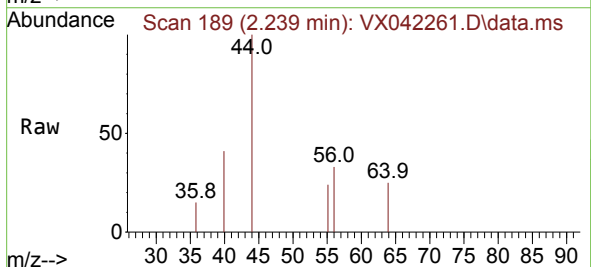


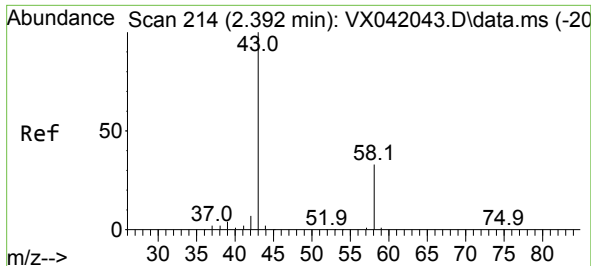
Tgt Ion: 59 Resp: 455
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#13
Acrolein
Concen: 0.306 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX042261.D
Acq: 10 Jul 2024 12:49

Tgt Ion: 56 Resp: 101
Ion Ratio Lower Upper
56 100
55 64.4 57.1 85.7





#16

Acetone

Concen: 72.033 ug/l

RT: 2.386 min Scan# 214

Delta R.T. -0.012 min

Lab File: VX042261.D

Acq: 10 Jul 2024 12:49

Instrument :

MSVOA_X

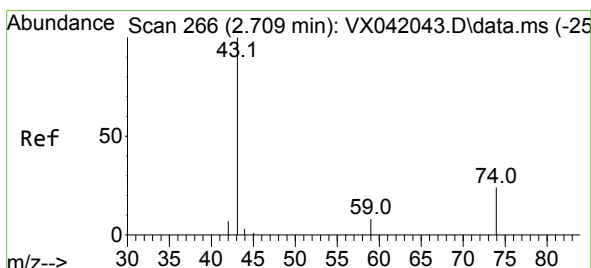
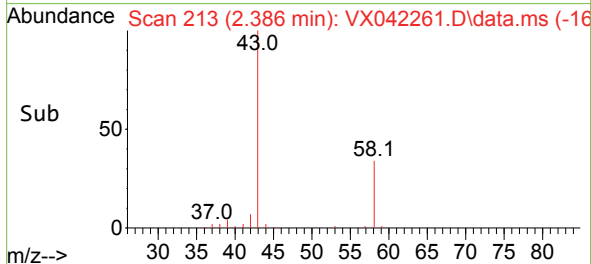
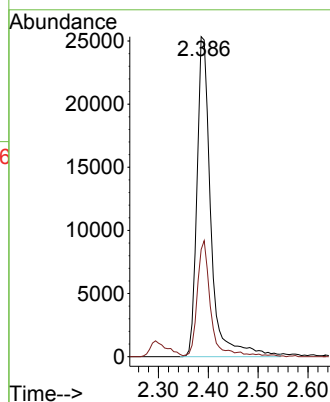
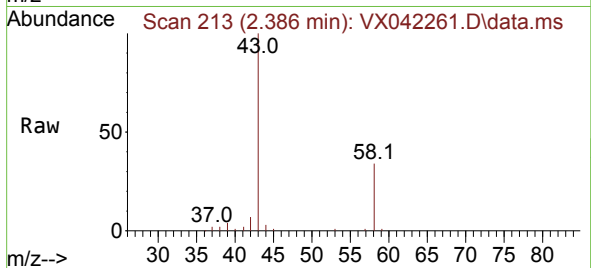
ClientSampleId :

Tgt Ion: 43 Resp: 49128

Ion Ratio Lower Upper

43 100

58 33.3 21.9 32.9#



#18

Methyl Acetate

Concen: 1.471 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.000 min

Lab File: VX042261.D

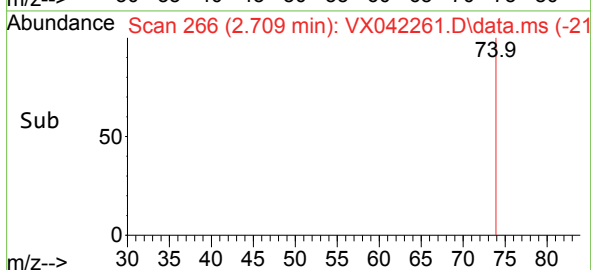
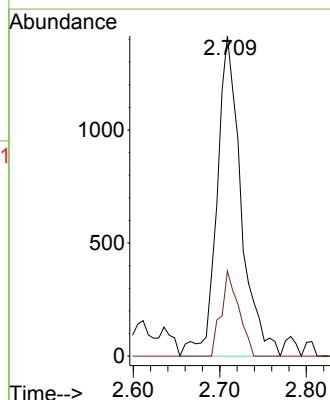
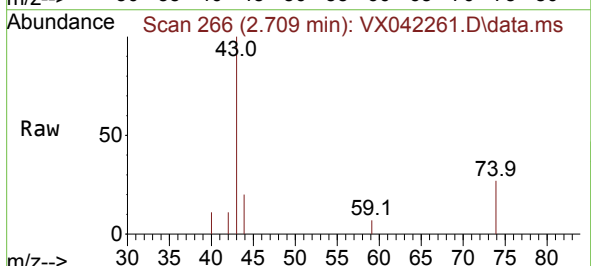
Acq: 10 Jul 2024 12:49

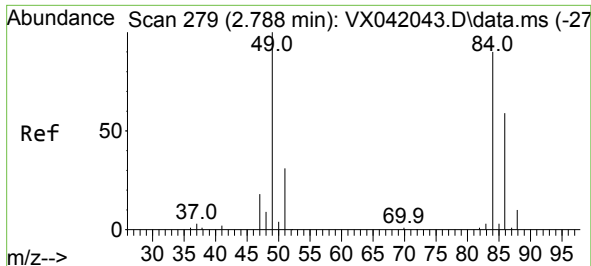
Tgt Ion: 43 Resp: 2736

Ion Ratio Lower Upper

43 100

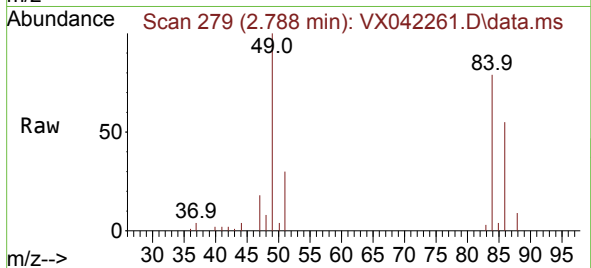
74 19.4 17.8 26.8



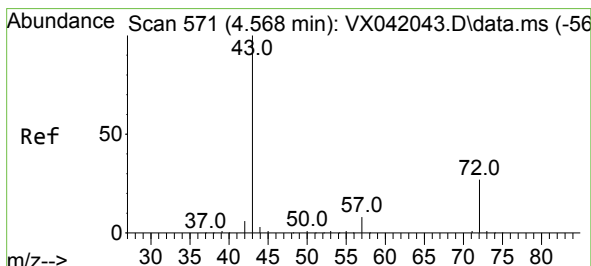
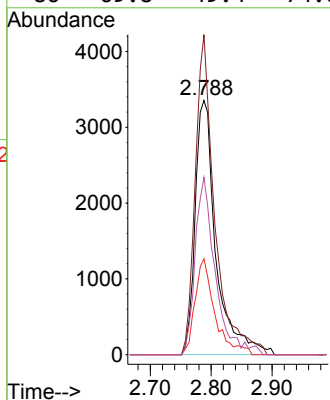
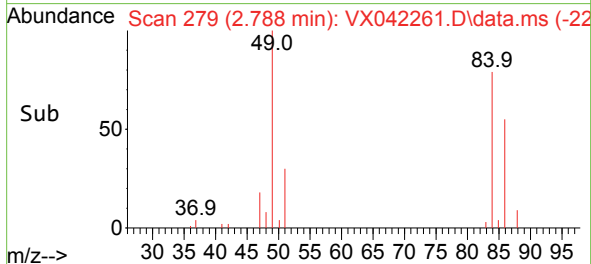


#20
Methylene Chloride
Concen: 5.331 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX042261.D
Acq: 10 Jul 2024 12:49

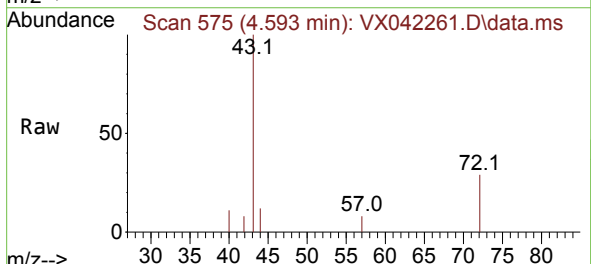
Instrument :
MSVOA_X
ClientSampleId :



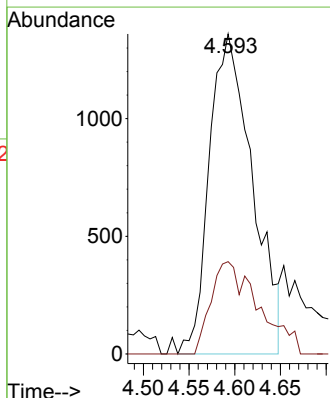
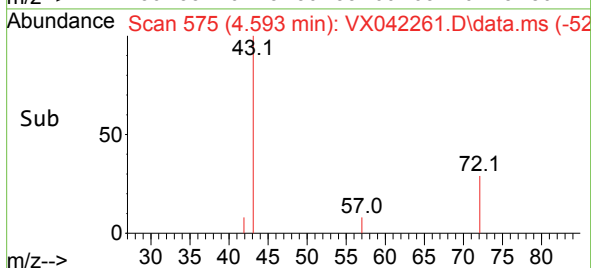
Tgt Ion: 84	Resp: 7962
Ion Ratio	Lower Upper
84 100	
49 125.8	103.6 155.4
51 37.7	33.8 50.6
86 69.8	49.4 74.0

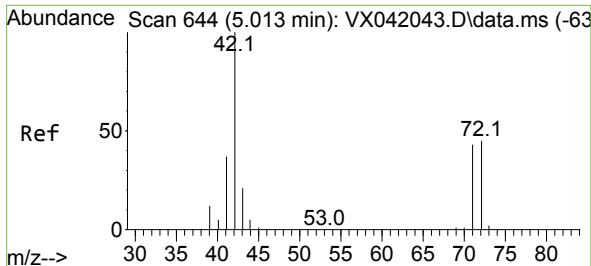


#25
2-Butanone
Concen: 4.196 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.018 min
Lab File: VX042261.D
Acq: 10 Jul 2024 12:49



Tgt Ion: 43	Resp: 4452		
Ion Ratio	Lower	Upper	
43 100			
72 28.8	19.4	29.2	





#29

Tetrahydrofuran

Concen: 0.283 ug/l

RT: 5.080 min Scan# 61

Delta R.T. 0.061 min

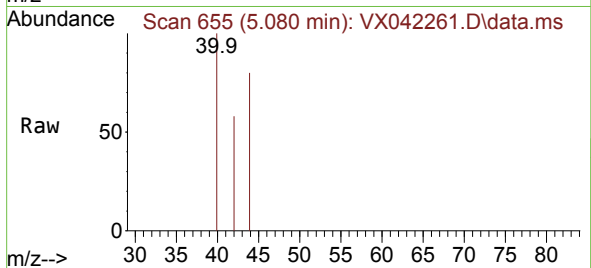
Lab File: VX042261.D

Acq: 10 Jul 2024 12:49

Instrument :

MSVOA_X

ClientSampleId :



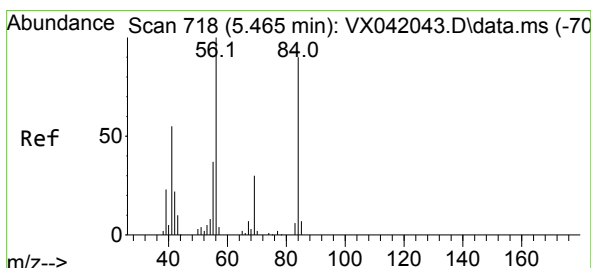
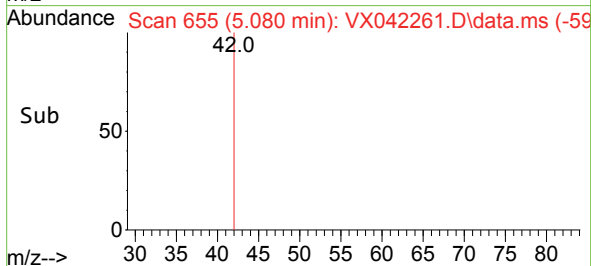
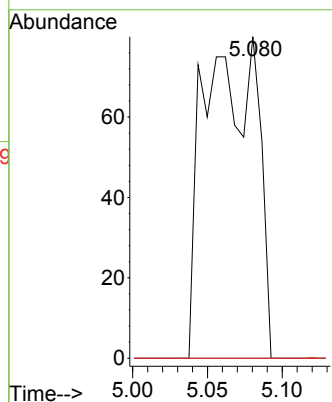
Tgt Ion: 42 Resp: 194

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.062 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.091 min

Lab File: VX042261.D

Acq: 10 Jul 2024 12:49

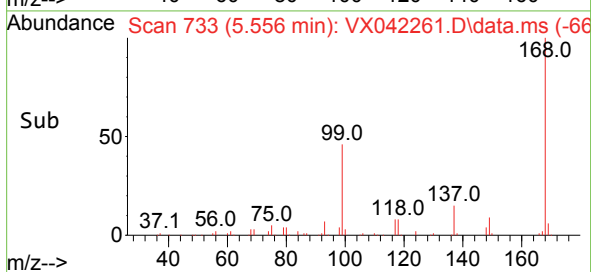
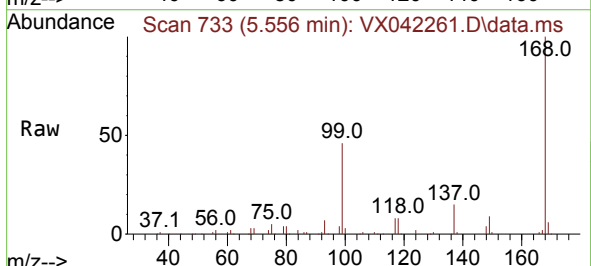
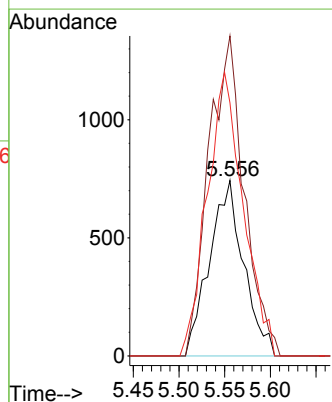
Tgt Ion: 56 Resp: 1929

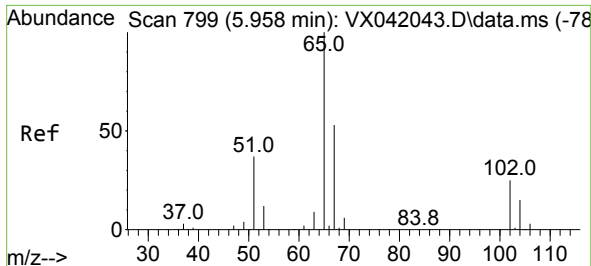
Ion Ratio Lower Upper

56 100

69 182.4 23.4 35.2#

84 144.3 65.9 98.9#

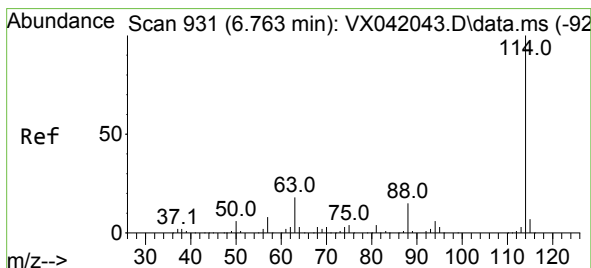
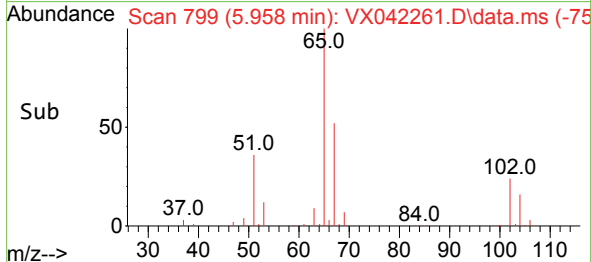
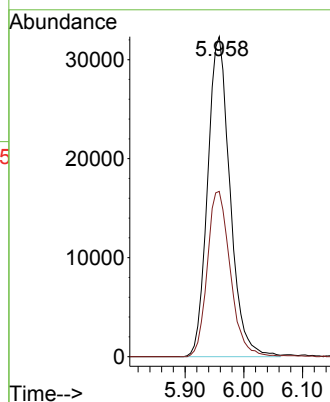
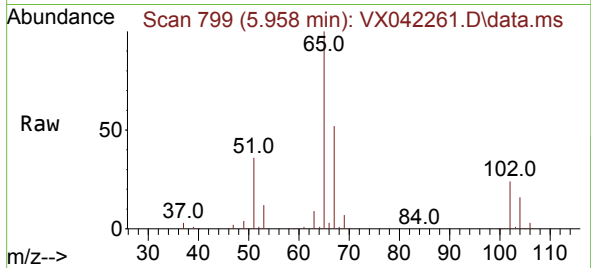




#33
 1,2-Dichloroethane-d4
 Concen: 54.987 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX042261.D
 Acq: 10 Jul 2024 12:49

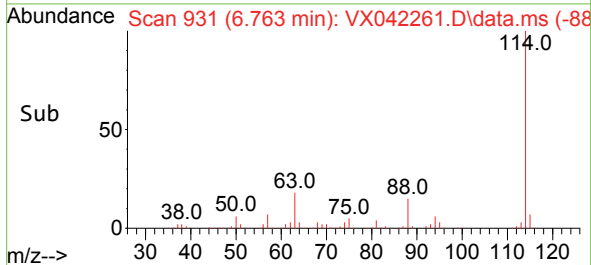
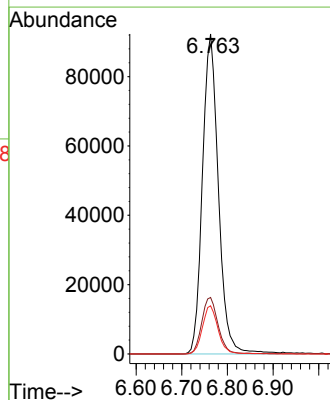
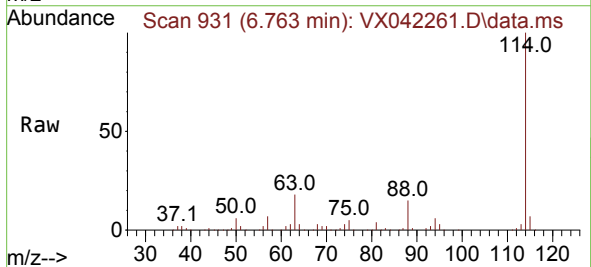
Instrument :
 MSVOA_X
 ClientSampleId :

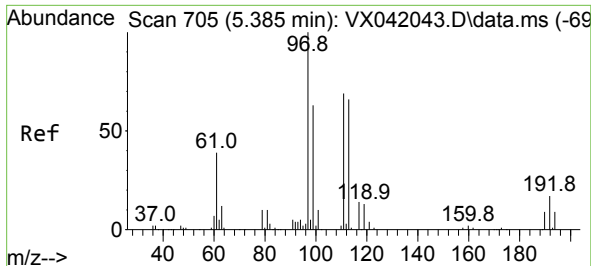
Tgt Ion: 65 Resp: 85408
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX042261.D
 Acq: 10 Jul 2024 12:49

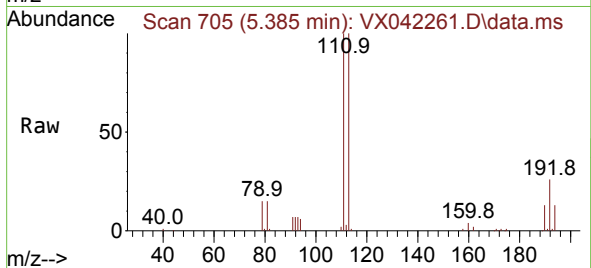
Tgt Ion: 114 Resp: 223389
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 45.0
 88 15.1 0.0 36.6



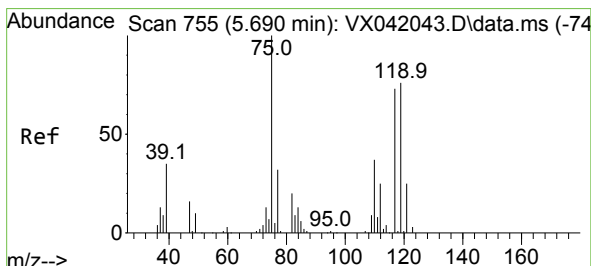
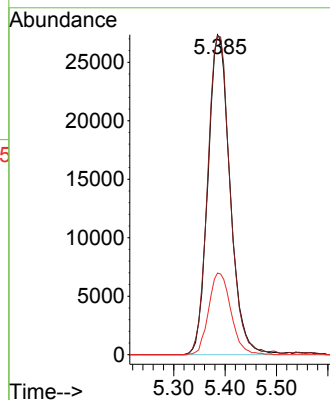
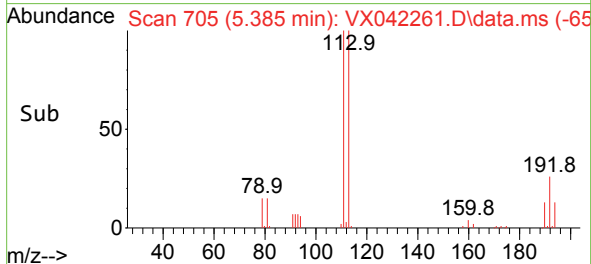


#35
Dibromofluoromethane
Concen: 51.512 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042261.D
Acq: 10 Jul 2024 12:49

Instrument :
MSVOA_X
ClientSampleId :

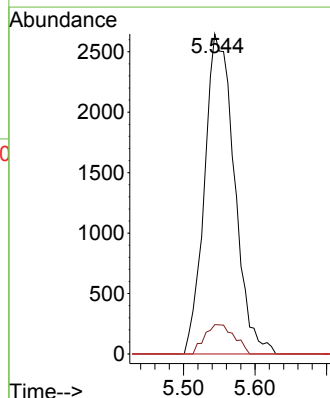
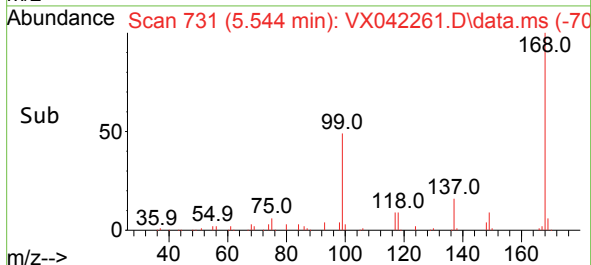
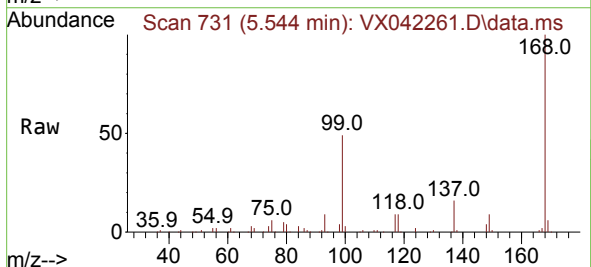


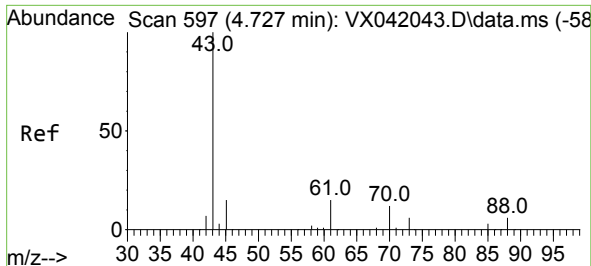
Tgt Ion:113 Resp: 81650
Ion Ratio Lower Upper
113 100
111 100.8 82.9 124.3
192 25.7 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.559 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX042261.D
Acq: 10 Jul 2024 12:49

Tgt Ion: 75 Resp: 7674
Ion Ratio Lower Upper
75 100
110 9.1 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.130 ug/l

RT: 4.745 min Scan# 600

Delta R.T. 0.018 min

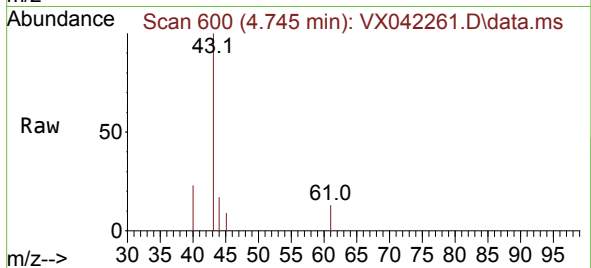
Lab File: VX042261.D

Acq: 10 Jul 2024 12:49

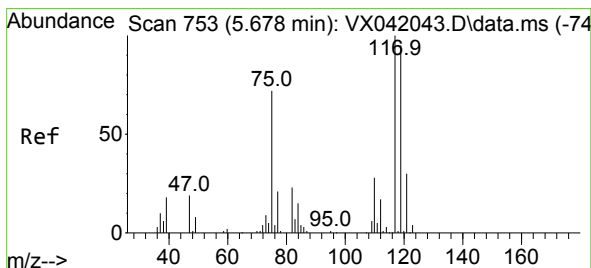
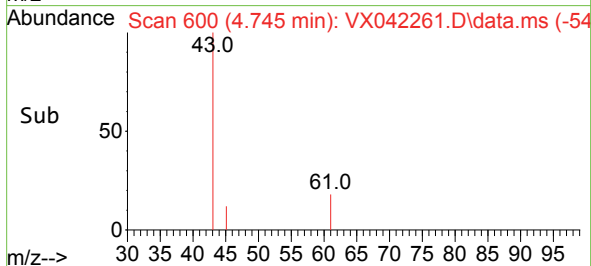
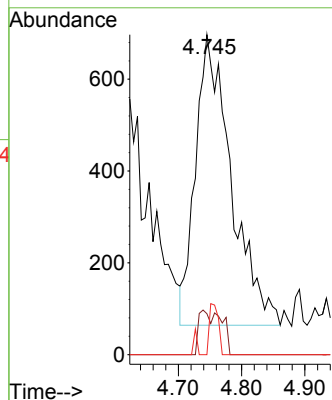
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	2478
Ion Ratio	100	Lower	Upper
61	5.1	10.6	16.0#
70	4.4	8.3	12.5#



#38

Carbon Tetrachloride

Concen: 6.114 ug/l

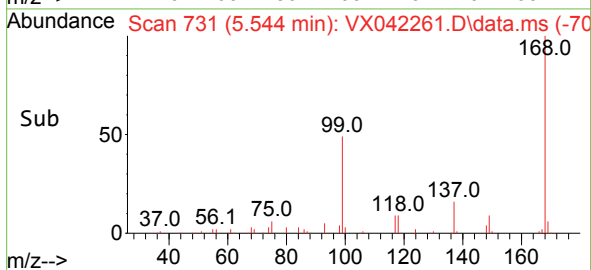
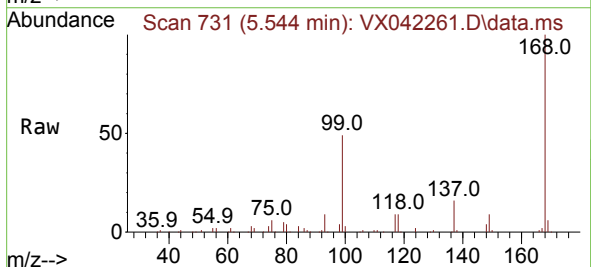
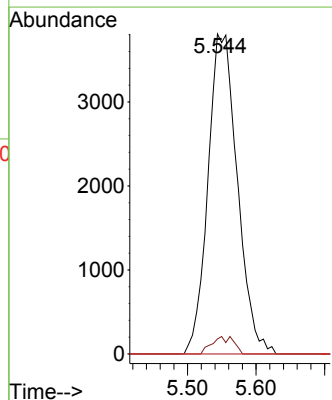
RT: 5.544 min Scan# 731

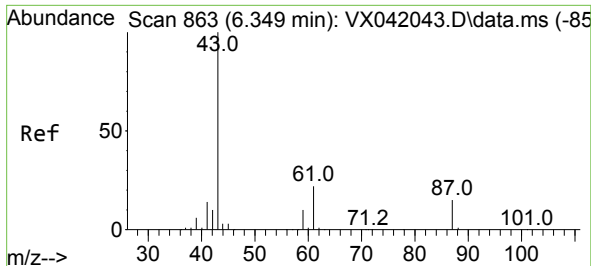
Delta R.T. -0.134 min

Lab File: VX042261.D

Acq: 10 Jul 2024 12:49

Tgt Ion:	117	Resp:	11371
Ion Ratio	100	Lower	Upper
119	4.7	78.2	117.2#
121	0.0	24.4	36.6#

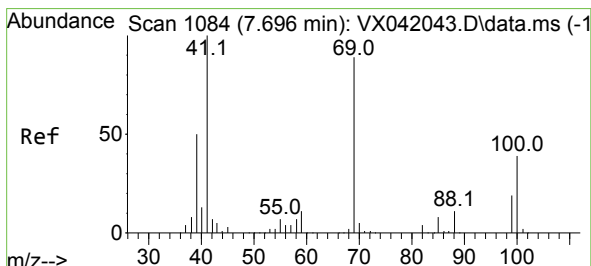
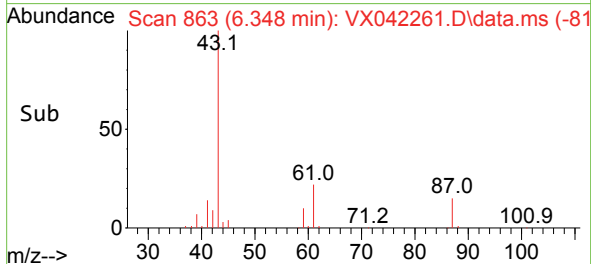
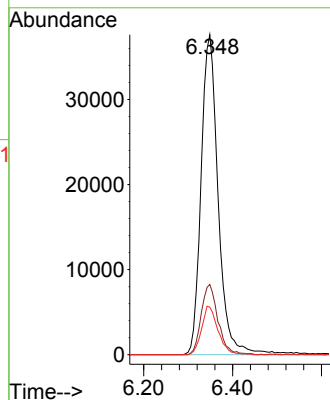
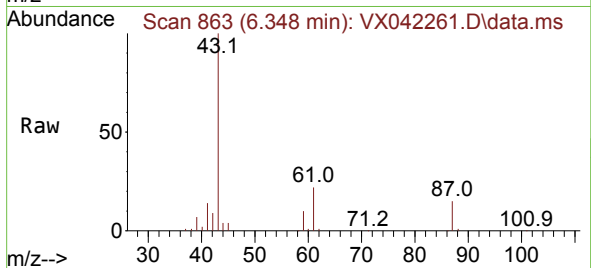




#43
Isopropyl Acetate
Concen: 29.870 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX042261.D
Acq: 10 Jul 2024 12:49

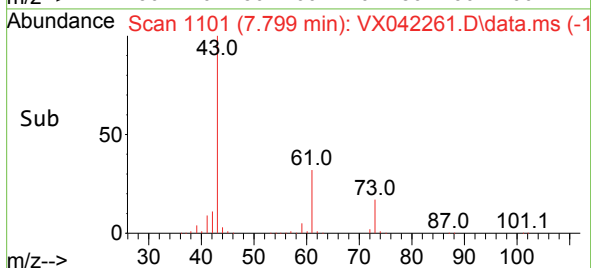
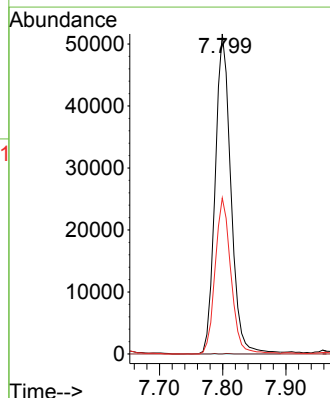
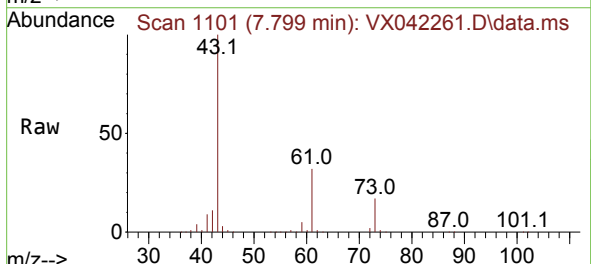
Instrument :
MSVOA_X
ClientSampleId :

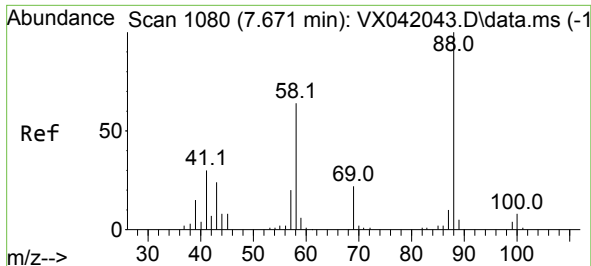
Tgt Ion: 43 Resp: 100528
Ion Ratio Lower Upper
43 100
61 21.6 15.2 22.8
87 14.6 9.8 14.6



#48
Methyl methacrylate
Concen: 55.469 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX042261.D
Acq: 10 Jul 2024 12:49

Tgt Ion: 41 Resp: 89093
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 48.8 47.7 71.5

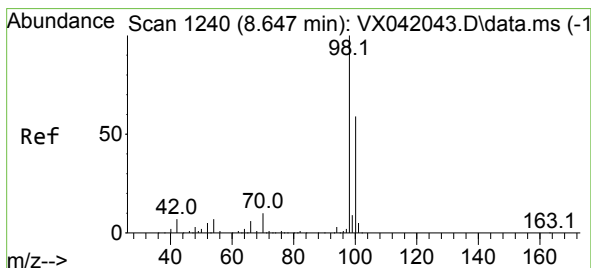
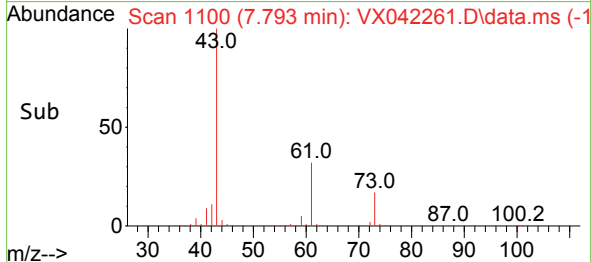
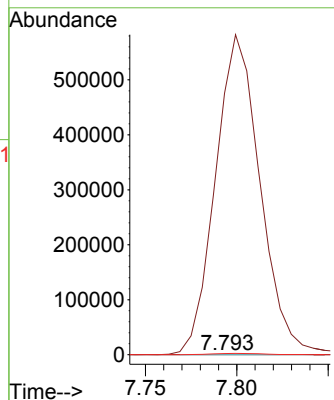
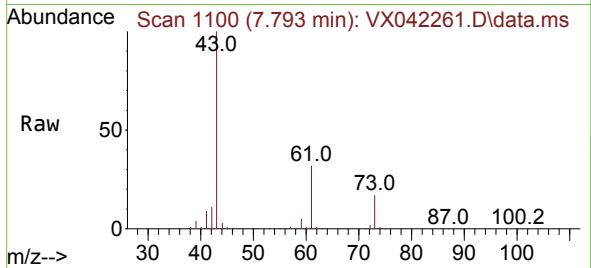




#49
1,4-Dioxane
Concen: 24.567 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.128 min
Lab File: VX042261.D
Acq: 10 Jul 2024 12:49

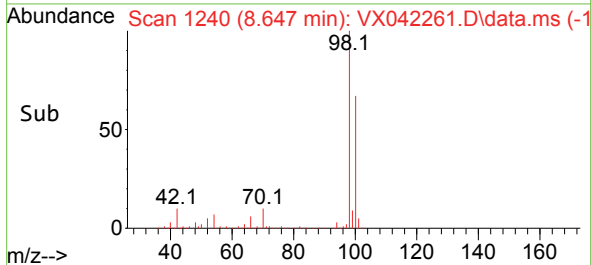
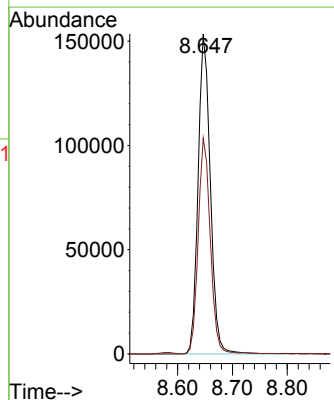
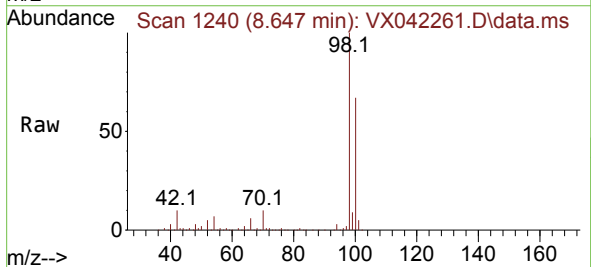
Instrument :
MSVOA_X
ClientSampleId :

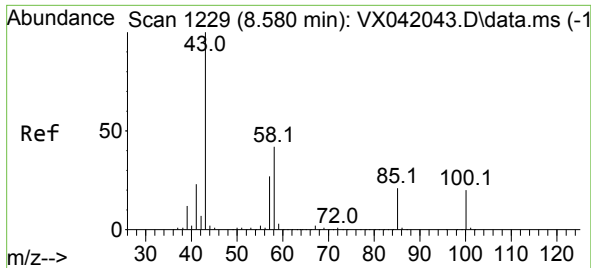
Tgt Ion: 88 Resp: 201
Ion Ratio Lower Upper
88 100
43 500484.6 0.0 0.0#
58 2337.8 60.1 90.1#



#50
Toluene-d8
Concen: 42.951 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042261.D
Acq: 10 Jul 2024 12:49

Tgt Ion: 98 Resp: 239171
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7

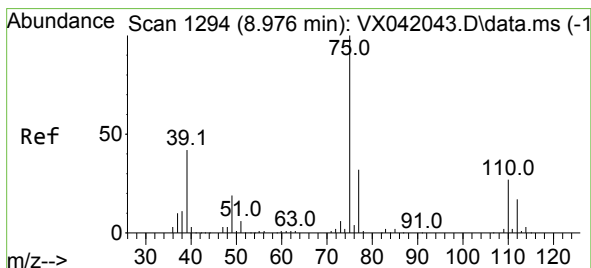
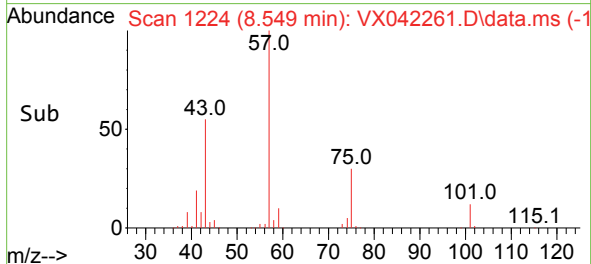
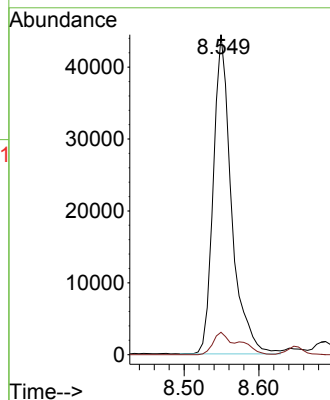
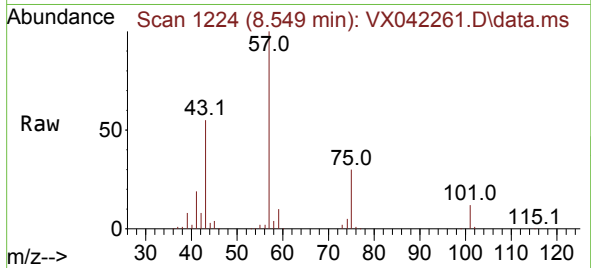




#51
4-Methyl-2-Pentanone
Concen: 32.386 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX042261.D
Acq: 10 Jul 2024 12:49

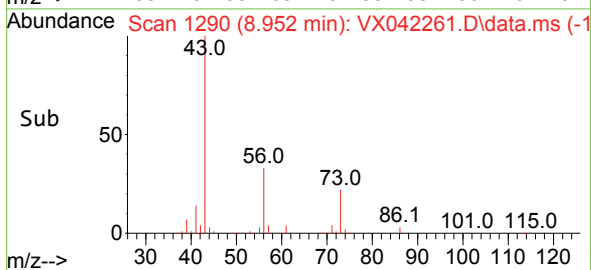
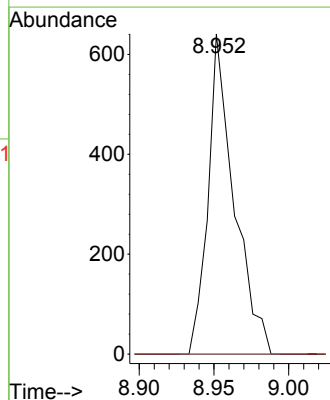
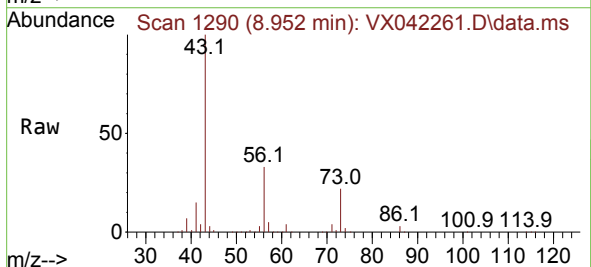
Instrument :
MSVOA_X
ClientSampleId :

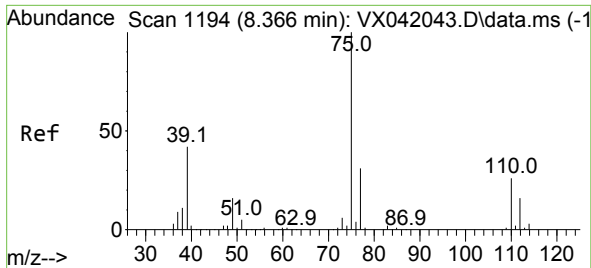
Tgt Ion: 43 Resp: 75082
Ion Ratio Lower Upper
43 100
58 6.6 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 1.288 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.030 min
Lab File: VX042261.D
Acq: 10 Jul 2024 12:49

Tgt Ion: 75 Resp: 778
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

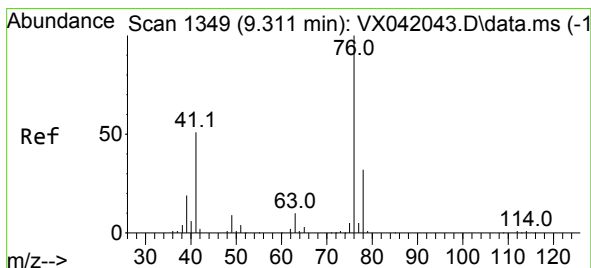
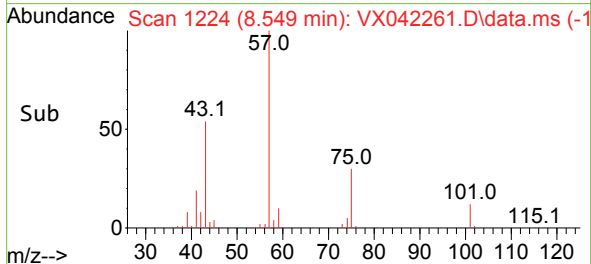
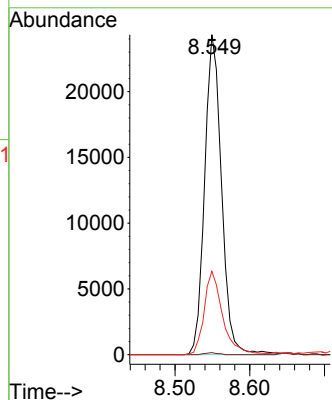
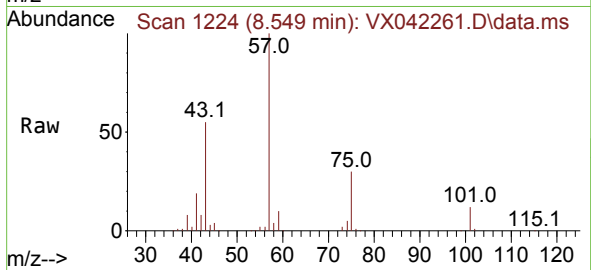




#54
cis-1,3-Dichloropropene
Concen: 18.701 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX042261.D
Acq: 10 Jul 2024 12:49

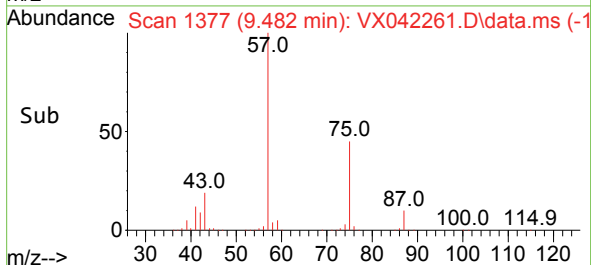
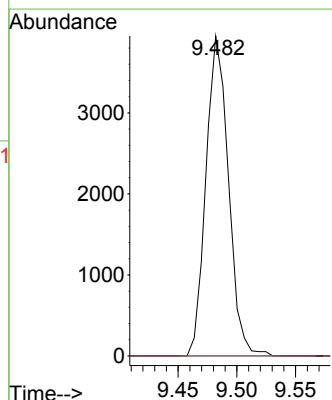
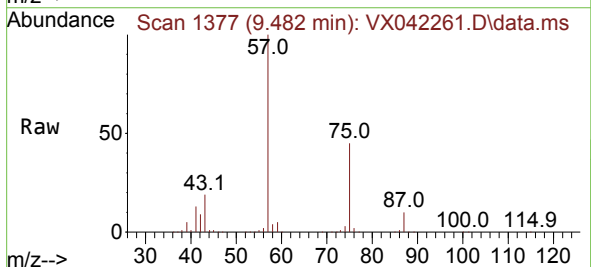
Instrument :
MSVOA_X
ClientSampleId :

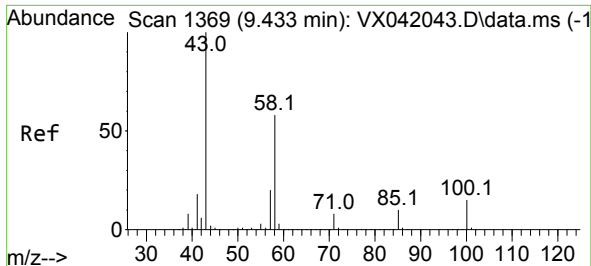
Tgt Ion: 75 Resp: 38230
Ion Ratio Lower Upper
75 100
77 0.6 25.3 37.9#
39 26.0 46.7 70.1#



#57
1,3-Dichloropropane
Concen: 2.163 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX042261.D
Acq: 10 Jul 2024 12:49

Tgt Ion: 76 Resp: 5263
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

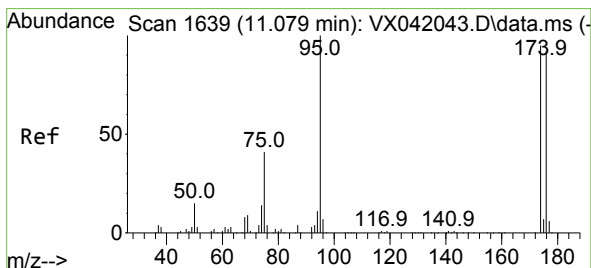
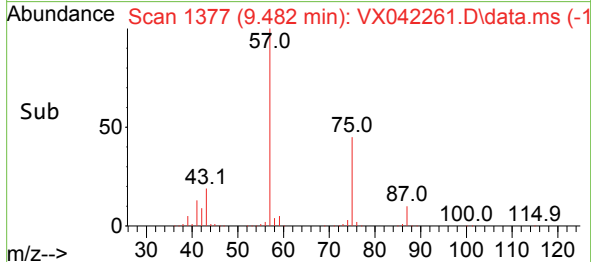
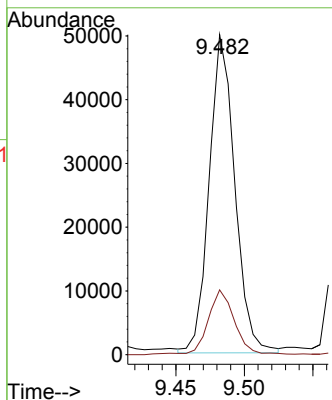
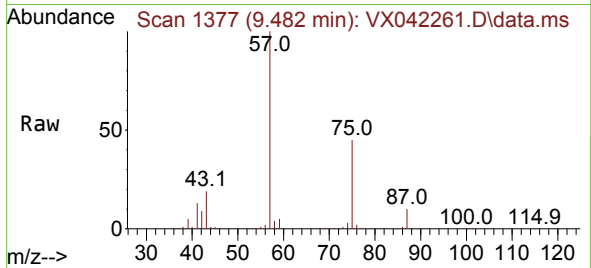




#59
2-Hexanone
Concen: 36.598 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX042261.D
Acq: 10 Jul 2024 12:49

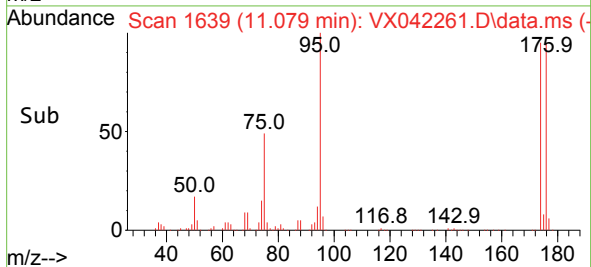
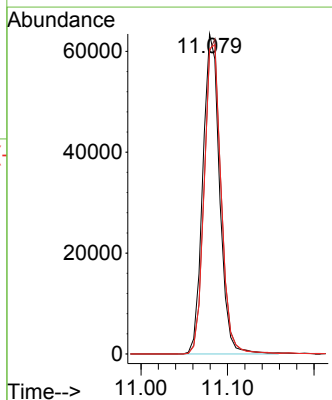
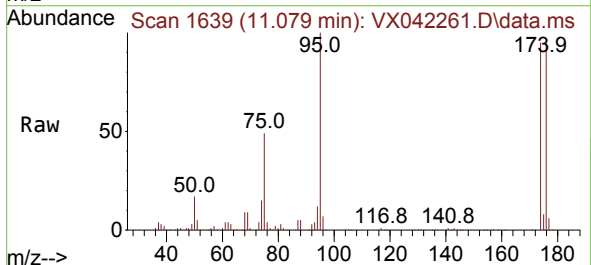
Instrument :
MSVOA_X
ClientSampleId :

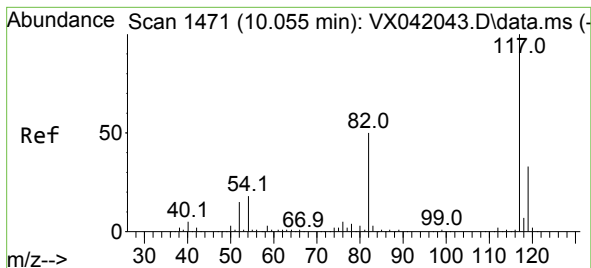
Tgt Ion: 43 Resp: 64985
Ion Ratio Lower Upper
43 100
58 21.1 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 41.630 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042261.D
Acq: 10 Jul 2024 12:49

Tgt Ion: 95 Resp: 85451
Ion Ratio Lower Upper
95 100
174 97.9 0.0 135.6
176 97.2 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX042261.D

Acq: 10 Jul 2024 12:49

Instrument :

MSVOA_X

ClientSampleId :

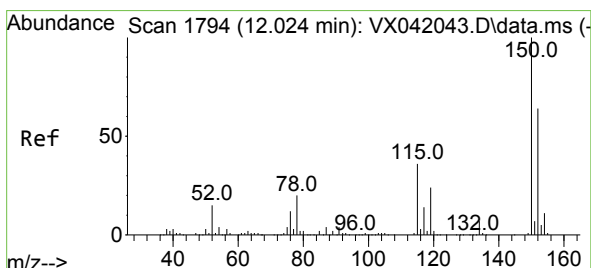
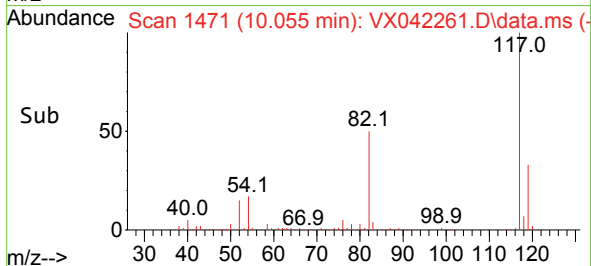
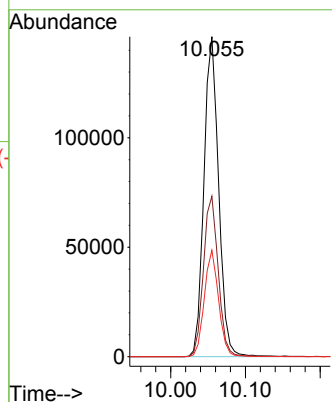
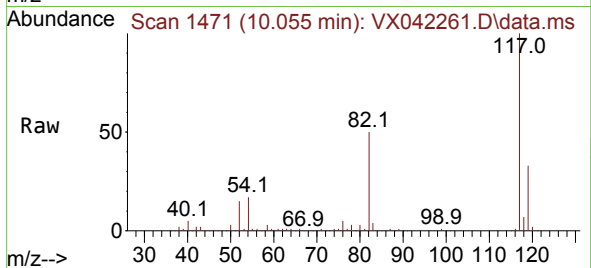
Tgt Ion:117 Resp: 199540

Ion Ratio Lower Upper

117 100

82 50.2 46.2 69.4

119 33.3 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX042261.D

Acq: 10 Jul 2024 12:49

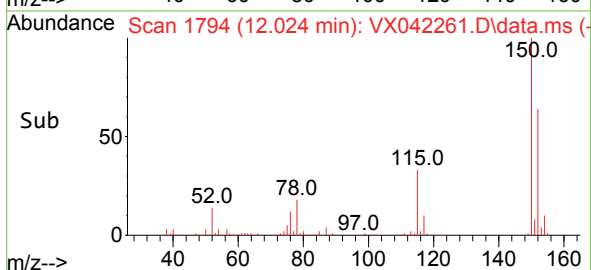
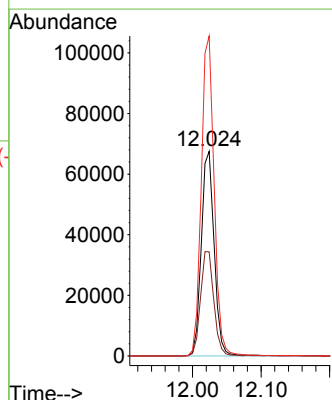
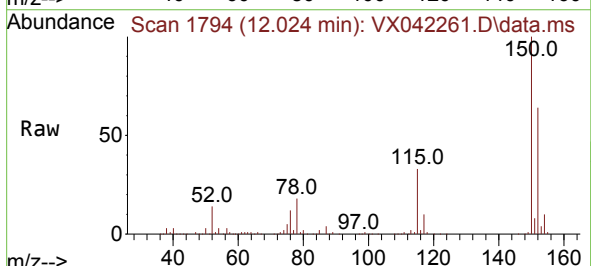
Tgt Ion:152 Resp: 88432

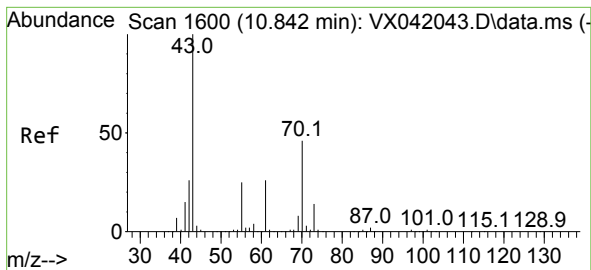
Ion Ratio Lower Upper

152 100

115 52.9 43.3 129.9

150 156.0 0.0 345.0





#74

N-amy1 acetate

Concen: 8.351 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

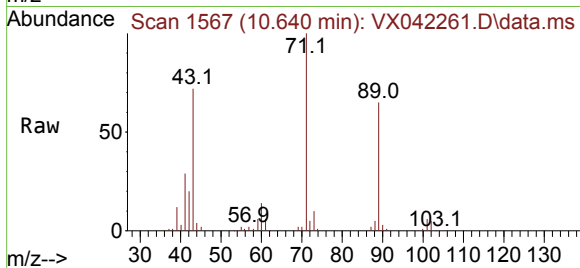
Lab File: VX042261.D

Acq: 10 Jul 2024 12:49

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 19945

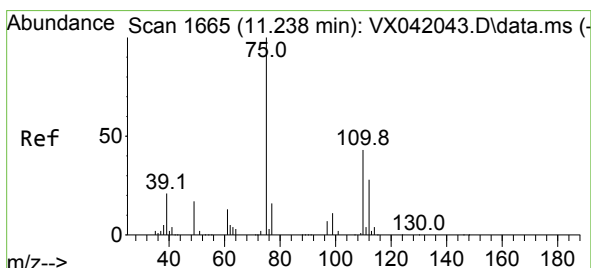
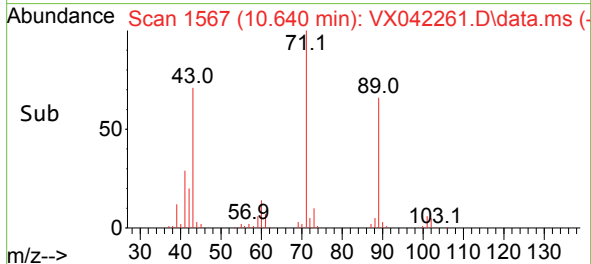
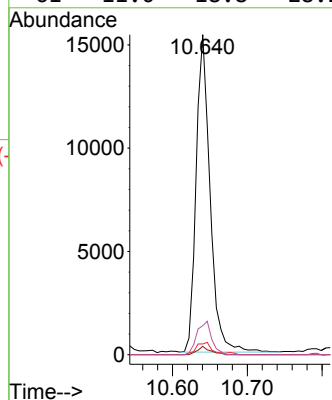
Ion Ratio Lower Upper

43 100

70 2.4 32.9 49.3#

55 4.6 19.3 28.9#

61 11.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 24.384 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX042261.D

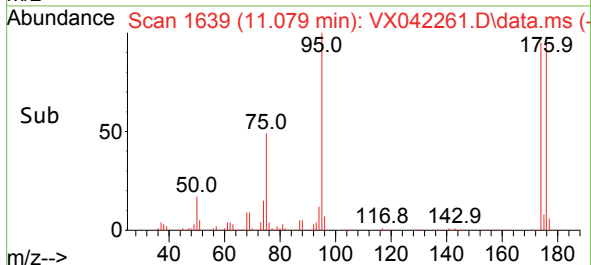
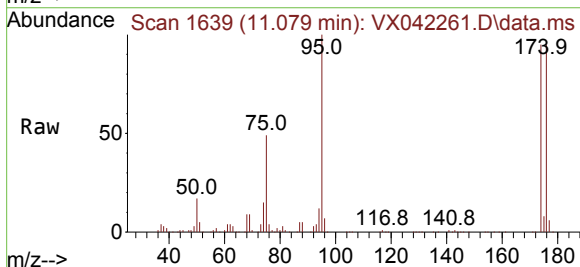
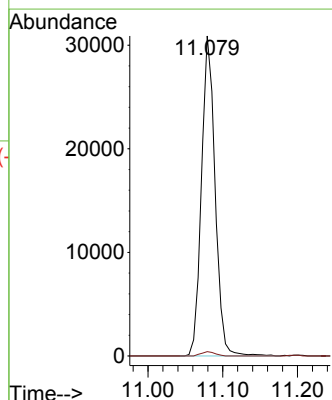
Acq: 10 Jul 2024 12:49

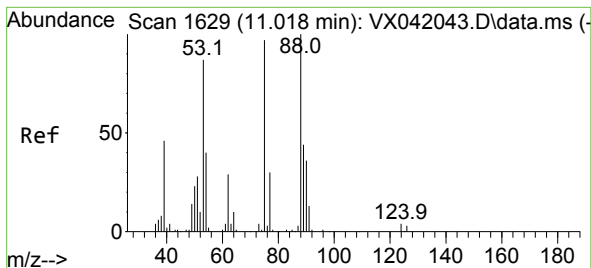
Tgt Ion: 75 Resp: 39146

Ion Ratio Lower Upper

75 100

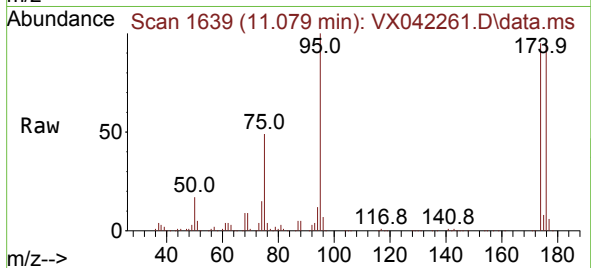
77 1.4 19.1 57.5#



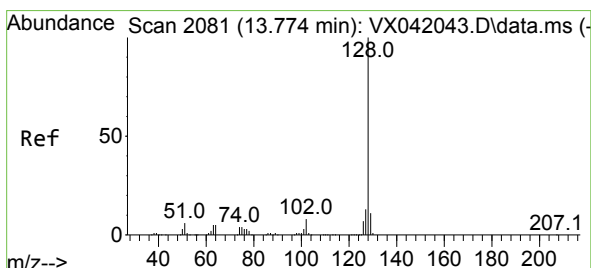
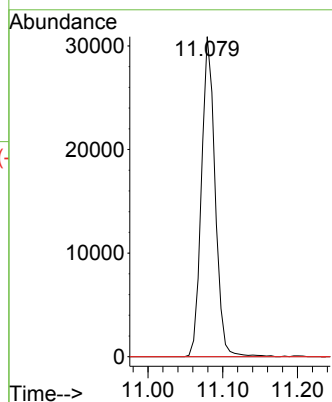
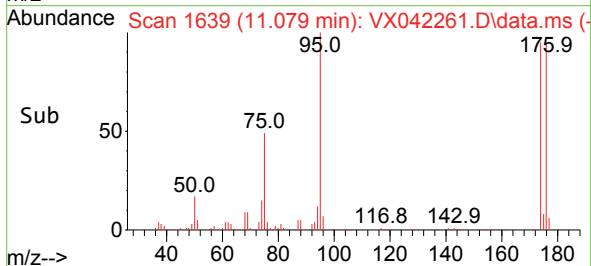


#81
trans-1,4-Dichloro-2-butene
Concen: 69.248 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX042261.D
Acq: 10 Jul 2024 12:49

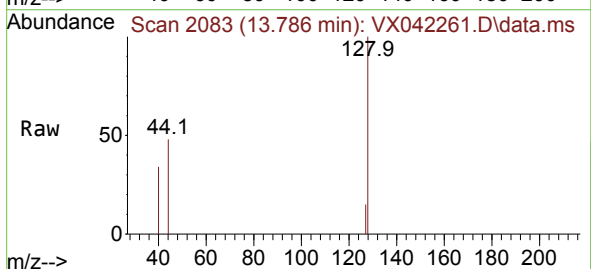
Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 39146
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 0.843 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX042261.D
Acq: 10 Jul 2024 12:49



Tgt Ion: 128 Resp: 613
Ion Ratio Lower Upper
128 100
127 10.3 10.3 15.5#
129 0.0 8.8 13.2#

